

ABSTRACT OF THE DISCLOSURE

The invention relates to a method of preventing damage to machines such as machine tools, production machines, and robots, wherein an electrical power supply system (V) is monitored by a system power supply monitor (N) for the presence and maintenance of a required quality of power and detection of unwanted system power supply states which are transmitted in real time so as to cause the initiation of a drive braking function and/or a system machine standstill by drive controllers (AR1 to AR6) for the motor or motors of a machine.